

Antenatal corticosteroids and brain development : the use of S100B as an early predictor of brain impairment

Citation for published version (APA):

Bruschettini, M. (2007). *Antenatal corticosteroids and brain development : the use of S100B as an early predictor of brain impairment*. [Doctoral Thesis, Maastricht University]. Universiteit Maastricht. <https://doi.org/10.26481/dis.20071114mb>

Document status and date:

Published: 01/01/2007

DOI:

[10.26481/dis.20071114mb](https://doi.org/10.26481/dis.20071114mb)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

Download date: 05 May. 2023

Stellingen

Behorend bij het proefschrift

Antenatal corticosteroids and brain development: the use of S100B as an early predictor of brain impairment

Matteo Bruschetti

14 november 2007

1. Though beneficial for lung maturation, antenatal betamethasone treatment may have significant, both short- and long-term, consequences on offspring development (*dit proefschrift*).
2. Antenatal betamethasone treatment impairs fetal growth thus increasing the risk of disease in adulthood (*dit proefschrift*).
3. Antenatal betamethasone treatment induces a reduction of neurotrophic S100B protein in the urine of human newborns as well as in the hippocampus and in the blood of male rats (*dit proefschrift*).
4. In adult offspring antenatal betamethasone treatment does not affect cognition- and anxiety-related behavior and synaptophysin immunoreactivity within the hippocampus. However, hippocampal MAP2 immunoreactivity is reduced in male rats treated with antenatal betamethasone (*dit proefschrift*).
5. Overall, males are more affected by antenatal betamethasone treatment when compared to females (*dit proefschrift*).
6. Further research is needed to investigate whether a lower dose of antenatal betamethasone is still beneficial for lung maturation (*dit proefschrift*).
7. *Un Médecin, c'est quelqu'un qui verse des drogues qu'il connaît peu dans un corps qu'il connaît moins* – MD: a person who administers drugs of which he knows little, into a body that he knows even less (Voltaire, 1694-1778).
8. A rock does not ask itself "Why do I exist?" It does not, precisely because it is a rock and not a human being. The human being, on the other hand, is properly that level of nature in which nature asks itself "Why do I exist?" Man is that minuscule particle which demands a meaning, a reason – the reason (Luigi Giussani, 1922-2005).
9. To be conscious of oneself to the very centre, to the point of meeting "an Other", thus totally realizing the human being's grandeur.
10. Being Christian is not the result of an ethical choice or a lofty idea, but the encounter with an event, a person, which gives life a new horizon and a decisive direction (Pope Benedictus XVI).